
The PHONO GRAM

FOURTEENTH NUMBER

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POINTS PERTAINING TO THE USE AND CARE
OF THE EDISON PHONOGRAPH.

(Commenced in December number.)

By C. W. NOYES.

Chapter V.—*Hints on machine repairs.*

Before taking up the repair question the writer wishes to impress upon the mind of his reader the necessity of keeping the Phonograph clean and free from grease and gum.

It is a deplorable fact that nine-tenths of the machines which are sent to the shop for repair are filthy with an overabundance of oil and dirt.

The Phonograph is a machine which has a delicate mechanism and its ability to do good work is greatly impaired if it is not cleaned regularly.

Sometimes the question arises, "How often should I oil and clean my machine?" The writer cannot tell you. You must determine this for yourself, the point is, "Oil it when it needs oil, and clean it when it needs cleaning." Don't apply oil in streams. This will only cause trouble, for if any surplus oil is left on the machine the dust will settle on it and the oil will become gummy and will cause the machine to run badly. Therefore, after oiling, always wipe off any surplus oil which remains.

Did you ever go through a well regulated engine room and notice how clean and bright each piece of machinery was kept? If you have, you undoubtedly noticed a man in a suit of overalls with oil can in one hand and a bunch of cotton waste in the other. It is his duty to keep each and every part of this machinery clean and polished.

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He is paid a salary for doing this. From this fact you will agree with me when I say it is necessary, to insure the smooth and regular action of this machinery, by keeping it, clean and well oiled.

You will now ask, "What parts of the Phonograph require oil?" In answering this question I could go into details and instruct my readers to oil the feed screw, the centers, the governor pinion and bearings, the first gear, second pinion, etc., etc. This would be of little use to the majority, for the reason that all owners of Phonographs are not possessed of a knowledge of mechanics, and while some would understand where to look for these parts, the majority would be at sea.

We know that oil is used to reduce friction and lessen the wear. We can easily make use of this fact in determining where it should be used. *All parts which are subjected to friction should be oiled whenever they become dry, and in need of oil.*

When your machine shows the least sign of gumming or in other words, the oil becomes dried up and gummy, it should be thoroughly cleaned with gasoline or benzine.

Procure a deep tin pan large enough to set the machine in when standing on end, (the motor should be lifted out of the cabinet when doing this). About one quart of gasoline or benzine should be poured through the machine and when it collects in the pan empty the pan and pour a second time using the same gasoline or benzine until all the dirt and grease is removed from the instrument.

Now wipe the parts clean with a clean cloth and apply oil to all bearings. The spring should *not* be oiled. If oil is applied to the spring it is liable to gum up very rapidly and this will cause the coils of the spring to stick to one

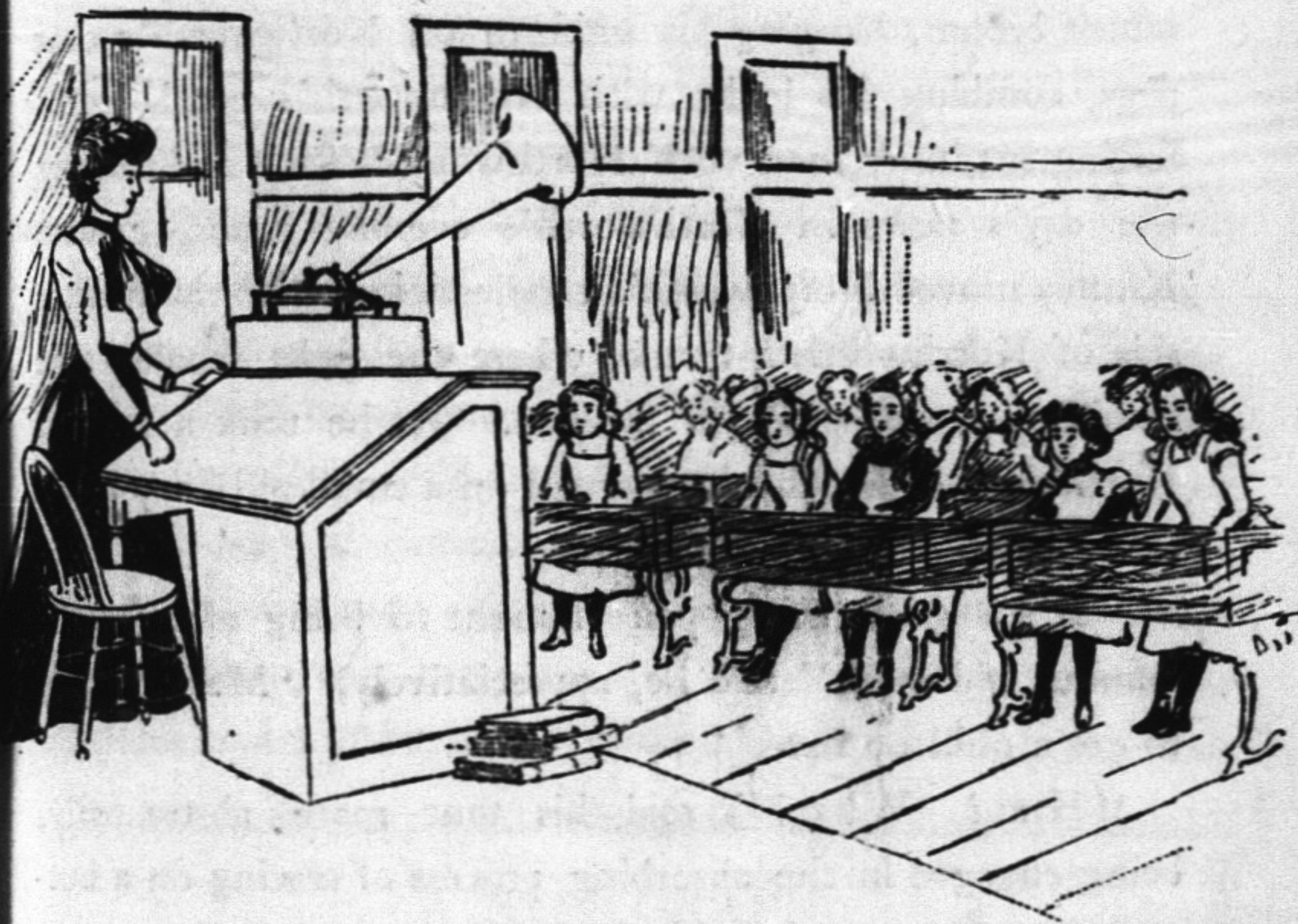
another which causes it to jump while unwinding. This is very unpleasant as it affects the reproduction. This may be remedied by using graphite or powdered plumbago, in the spring. Dust the graphite into the coils of the spring thoroughly while the machine is running and the coils of the spring unwinding. The spring should be wound up and graphite applied two or three times and the jumping will disappear.

(To be continued)

SHULTZ ON EARTH-CAKES.

“It’s getting vorser as ve grow. I mean it vill be yet vorser next year as this. Storms und storms und storms! I told my vife ve would get dot flood down in Galvesting der week before ve had it. Now I tink mebbe ve have a earth-cake. Und I’ll tell you vhy. Sunday I always sleep on der sofa to read my paper. Vell, Sunday nights this weeks I vere sleeping dere reading when my wife tells me der sky vere full of der roaring boring Alice—vhat you call it in English der Nortrun Lights. Vell, I looked der vindow oudt und saw a great blue read white light on der sky like der Nort’ Pole ver afire und I knew it was a earth-cake phenonomous in der sky. You see, when der air in der atmosphere changes mit der irregularity of der season it shows dot der appearance is seldom observationed for believing to der contrary dot ve vill get a earth-cake putty soon. So when I saw it on der sky I told my vife und she vill keep scared till ve get it. I told her ve would have red-hot iron in vater und subtureen rumbling from chains like der devil vere trying to pull up hell through our cellar, und dot made her cry all night und pray. Really, it’s too bad for der violence.

T



T is a **TEACHER**;
No method of reaching
The minds of small children
Excels *Phonograph* teaching.

CAMP LIFE.

Really, the chief thing in camp life is to have a desirable tent mate. Private J. Partridge Kinney has one whom he picked himself because of his thoughtful and provident habits. Northworth has the faculty of supplying himself with everything that is necessary in camp, whereby Kinney profits. After brushing his clothes with Northworth's whisk broom, hanging his uniform on Northworth's coat pegs, combing his locks with Northworth's comb, comforting his inner man with Northworth's flask and reading the day's news in Northworth's evening paper, Private Kinney moved Northworth's candlestick over to the further side of Northworth's trunk, where the light wouldn't be in his eyes, and prepared for bed. As he took a look at Northworth's watch his gaze fell on a small pill box, labelled "Two-grain quinine pills."

"It's a good thing you thought to bring along some quinine, old man," said he, appreciatively, "Man's likely to get a chill up here."

"Him? What?" said his tent mate, abstractedly, being engaged in the absorbing process of sewing on a button. "Oh, yes; it is kind of cold."

An hour later Private J. Partridge Kinney awoke, shuddering with cold, and thought gratefully of the flask and the pill box. By groping he found both. He made a hasty swallow; then it suddenly struck him that the object he had swallowed with the aid of the liquid possessed none of the smooth roundness of the regular quinine bolus.

"Northworth! Northworth!" he cried, thumping his tentmate in the ribs. "What kind of pills are those in your box?"

“Hey? What? What’s the matter, Kinney?” mumbled the suddenly awakened soldier.

“Those pills. The ones in the pillbox. What kind are they?”

“Pills? I haven’t got any pills. D’you want a pill? What’s the matter? Sick, old man?”

“Oh, blast it! I want to know about the pills in that box.”

“Why didn’t you say so? Those aren’t pills in that box.”

“What are they?” gasped Kinney.

“Collar buttons,” said Northworth.

Two minutes later the hospital corps were grumbling because an apparition in pajamas was trilling a lay of imminent death by appendicitis, between chattering teeth, and demanding all the help that medical science could give him. Medical science came to the rescue, and Private J. Partridge Kinney passed a sorrowing night. But it is possible to announce this morning that his vermiform appendix shelters no collar button.—*New York Sun*.

A NEW GRAPH.

The London War Office authorities have given much encouragement to a scheme which it is hoped will tempt many to join the ranks of Tommy Atkins. This has been christened the Recruitograph. A lecturer describes the progress of the soldier from the time to his enrollment, illustrating it with lantern slides and moving pictures and naturally dilating on the advantages of such a career. The lecturer is assisted by music and a charming woman singer renders patriotic songs.—From the *New York Sun*.



THE PHONOGRAPH IN CAMP LIFE.

By MR. OPENEER.

The Edison Phonograph is just the proper thing for your Summer vacation. By all means take a Phonograph with you when you go away this summer. It will beguile

many an idle hour. It will turn a rainy day into a red-letter day. And there's lots of fun in making records yourself. The novelty don't wear off, either. Catch your friends' funny stories. Preserve their songs. TALK your letters home instead of writing them, and send the record instead. Saves bother of writing.

AUTOMATIC MUSIC IN THE HOME.

The importance—we might almost say the absolute necessity—of music in the well-ordered home is now generally admitted. The pleasing and tranquilizing influence of music at meals, with its good effect upon both appetite and digestion, has long been understood, and is now pretty generally appreciated. A good piano and a good pianist make unquestionably the best combination for producing home music, but just here is where the trouble comes in. A really first-class piano costs more than some families can afford, and occupies more space than can well be spared in some homes. But granting that neither cost nor space is an obstacle, and that the home is provided with a good piano, there still remains, in many households, another difficulty to overcome. In a large number of well-regulated families the good pianist—the capable performer—is lacking. Many persons who enjoy and appreciate music are utterly incapable of producing “concord of sweet sounds,” even after careful training and continued practice. If the question of music at meals is taken into consideration, the difficulties of having piano music are still more marked; for no member of the family can be expected to play while the others are eating, and few families can afford to employ a competent musician for the purpose.

For a long time music-boxes have been used as a substitute for the piano or other instrument which requires a skilful performer. A good music-box produces pleasing melody, but the repertoire of even the largest and most costly is necessarily limited, and its tunes, no matter how well selected, are likely to become monotonous from frequent iteration. Modern invention has removed this

difficulty by making music-boxes with movable discs or tune sheets, and as new discs are constantly being made, the latest music may be had at small cost.

The invention of the Phonograph has, however, completely revolutionized the production of automatic music. The Phonograph furnishes, for a small outlay, any kind of music desired. Speaking of one of these instruments, a well known musical journal says: "Its owner has always beside him the finest orchestra; the most inspiring brass band; the jolliest comic singer; the sweetest tenor voice; the cleverest banjo, clarinet, piccolo or cornet soloist; the prince of story tellers; in fact, all the best of the concert hall and stage is freely his to enjoy at his own time and with his own friends."

This appears to settle the matter, and it certainly leaves no excuse for having a home without music. It is well to have a good piano whenever it is possible, but when that is impracticable and when there is no musician in the family, it is still possible to have good music in the home.—From *Culinary Topics*.

THE RAPIDITY OF SOUND.

A meloncholy illustration of the rapidity with which sound travels is afforded by the spread of the average popular song.—*Puck*.

A DAINY BIBELOT.

WE SAT APART by Eugene Lee; a charming little love poem, quaintly conceived, and written in a manner that will appeal to all—especially lovers. It is choicely printed on hand made deckle edge paper, and is bound in old style wrappers. Price, postpaid, fifty cents. Auguste Giraldi, No. 139 Fifth Avenue, New York City.—*Adv.*

The PHONOGRAM

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¶ Printed Monthly for those interested in the Arts of Recording and Reproducing Sound; also for those interested in Animated Pictures. ¶ Official Handbook of The Order of The Phonogram. ¶ A very Special Department will be devoted to all Questions and Answers relating to Phones, Graphs, Grams, and Scopes. Correspondence welcomed by the Editor.

JUNE NOTES.

A CONFIDENTIAL CHAT WITH OUR READERS.

We feel confident that our many readers will learn with sincere regret of the prolonged and serious sickness of our genial Editor-in-Chief, Mr. Herbert A. Shattuck.

He left his desk one right about five weeks ago, apparently in the best of health, but has been confined to his bed ever since with a severe attack of pleuro-pneumonia, and the prospects are that it will be some time before he will be able to resume, actively, his manifold duties.

Fortunately, he has prepared sufficient copy to make it possible to continue the publication of this booklet without changing its form materially. We bespeak your kindly consideration as to errors or omissions until such time as he may be able to return, which we certainly hope will be in the near future.

“KIM.”

¶ My Dear PHONOGRAM :—The following amusing incident occurred, the other evening when one of my parishioners and his wife called in to pay us a visit. During the evening the conversation flowed into the channel of inventions ; as a matter of course I cited the Phonograph as one ranking among the highest. My friend was evidently not posted on this, and upon enquiring if he had ever heard one, said—“Not to any extent.” We played several selections, and asked if he had any favorite he would like played—Yes, he was fond of the violin—so gave him “Scene D. Ballet”—He said that was pretty good for an *imitation*! “Imitation,” said I, “why, Mr. T. that was no imitation ; that was the genuine article—the Phonograph *never* imitates it reproduces the actual music as played by the performer,” but I could see by his manner that he did not quite accept the statement ; even though it was backed up by his wife. Needless to say we enjoyed a hearty laugh over the mistake made by my excellent friend.

ADIRONDACK.

EDITOR'S NOTE.—The Phonograph does not imitate—it *Reproduces* sound.

¶ Several have written to me regarding the secret fluid preparations that are being advertised for removing an old record from the face of a Phonograph cylinder. Claims are being made by the ingenious manufacturers of this fluid that the use of it does away with the labor of shaving a record. All you have to do is to rub the surface of the record diligently, using a sufficient quantity of the fluid, and the record will disappear. This is partly true, but it is only a half-truth, and the trouble with half-truths in general is that they are misleading. These fluids are simply combinations, with benzine or naphtha as a basis.

The liquid certainly does cut into the surface of the cylinder and dissolves enough of the mineral soap, (the so-called wax record, is mainly composed of stearate of soda, as you will know) to make surface fairly smooth. But there is just as much difference in a record made on a blank that has been *naphtha-ized* and a record made on a blank that has been *shaved*, as there is between day and night. The naphtha treated record will be harsh, scratchy, and *rough-house* in general; while a record made on an Edison blank that has been shaved in the proper manner will be smooth and free from scratchy and harsh imperfections. Friends, if you do not believe me, try one of these preparations. Fortunately the cost is not great, and after you have tried it, be frank enough to write to me and tell me what are your impressions. Such communications will be strictly confidential. I will not even say "I told you you so."

NEW EDISON RECORDS.

Both Standard and Concert Records may be ordered from this List.

- | | | |
|------|---|--|
| 7814 | Shultz on the Automobile | <i>Recit</i> Ken |
| 7815 | Waltz and March from Faust | <i>Whistling solo</i> Bel |
| 7816 | I never trouble trouble until trouble troubles me | <i>Comic coon duet</i> Co & Na |
| 7817 | The tempest of the Heart, from Trovatore | Mad |
| 7818 | The Choir Invisible | <i>Sacred song with organ</i> Mac |
| 7819 | The German Minstrel | <i>Comic song with yodel</i> W |
| 7820 | Light of the sea | <i>Descriptive song.</i> Baritone My |
| 7821 | Mamie, don't you feel ashamed | <i>Serio-comic song</i> " |
| 7822 | At Last I Know | <i>Sentimental</i> " " |
| 7823 | Little Black Me | <i>Sentimental duet</i> Har & Mad |
| 7824 | Le Carnaval de Venise <i>with variations.</i> | |
| | <i>Violin solo</i> | D'Al |
| 7825 | Balmoral | <i>Coon song</i> Describing a cake walk Co |

- 7826 Pan-American Exposition March *Band E*
- 7827 I knew a Taverer witty and Wise *Drinking song My*
- 7828 The King of the Deep am I *Descriptive song "*
- 7829 A Tragic Tale *Serio-comic song "*
- 7830 Commercial Traveller's March *with singing. Band E*
- 7831 At the Pan-I-Marry-Can *Pan-Am. Comic song Den*
- 7832 Florida Flo *Coon love song Kel*
- 7833 I don't like the Irish *Comic song Bon*
- 7834 That's what the German Sang *" " "*
- 7835 Frog Puddles *By Composer of Mosquito's Parade*
Orchestra P
- 7836 Then you'll remember me *Miss Myra Price*
- 7837 I Love them all *Serio-comic love song Nat*
- 7838 Asleep in the Deep *Descriptive song My*
- 7839 The Bedouin Love Song *Sentimental song "*
- 7840 Rocked in the Cradle of the Deep *"*
- 7841 He calls me his own Grace Darling *Comic song F*
- 7842 Why don't the Band play *Comic marching song Q*
- 7843 Tact, from Florodora *Comic song Den*
- 7844 The Colored Major *Banjo solo O*
- 7845 The Girl from up there *Medley march Orch. P*
- 7846 A meeting of the Ananias Club at Pumpkin
Centre *Recitation comic Stw*
- 7847 Jim Lawson's Horse Trade with Deacon
Weatherspoon *Recitation comic " "*
- 7848 Casey as Doctor *" " Wh*
- 7849 I dreamt I dwelt in Marble Halls *Miss Myra Price*
- 12189 Jota de Las Nueve de la Noche *Spanish song Va*
- 12190 Tus Gracias *" " "*
- 12191 Koenig Lear *Hebrew song Do*
- 12192 Das Pastuckel, from Bar Kochla *" " "*
- 12193 La puerta de mi Bohio *Spanish song Va*
- 12194 A Vida *Portuguese song Moraes*
- 12195 As Carvoeiras *" " "*
- 12196 La Cimarroncita *Spanish song Va*
- 12197 La Gallina Ciega *Habanera Spanish Va*

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